## AMENDMENTS TO THE SEQUENCE LISTING

## IN THE SEQUENCE LISTING

Please replace the Sequence Listing of record with the Substitute Sequence Listing enclosed herewith.

## SEQUENCE LISTING

<110>	Harri Savilahti et al.							
<120>	DELIVERY OF NUCLEIC ACIDS MU TRANSPOSITION COMPLEXES		EUKARYOTIC	GENOMES	USING	IN	VITRO	ASSEMBLE
<130>	0933-0258PUS1							
	US 10/553,353 2005-10-14							
<160>	191							
<170>	PatentIn Ver. 2.1							
<210> <211> <212> <213>	20							
<220> <223>	Description of Artificial Oligonucleotide primer	Seque	ence:					
<400> gctcto	1 ccccg tggaggtaat						20	
<210><211><211><212><213>	24							
<220> <223>	Description of Artificial Oligonucleotide primer	Seque	ence:					
<400> ttccgt	2 ccaca ggtatttatt cggt						24	
<210><211><212><212><213>	17							
<220> <223>	Description of Artificial Oligonucleotide primer	Seque	ence:					
<400> atcago	3 eggee gegatee						17	
<210>	4							

<211> 20

<212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 4 ggacgaggca agctaaacag	20
<210> 5 <211> 33 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 5 ctaataccac tcacataggg cggccgccg ggc	33
<210> 6 <211> 13 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 6 gatcgcccgg gcg	13
<210> 7 <211> 13 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 7 ctaggcccgg gcg	13
<210> 8 <211> 13 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:	

## Oligonucleotide primer

<400> 8 aattgcccgg gcg	13
<210> 9 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 9 ctaataccac tcacataggg	20
<210> 10 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 10 gggcggccgc ccgggcgatc	20
<210> 11 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 11 , gggcggccgc ccgggcctag	20
<210> 12 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide primer	
<400> 12 gggcggccgc ccgggcaatt	20

<210> 13 <211> 20 <212> DNA <213> Artificial S	Sequence			
<220> <223> Description Oligonucleon		Sequence:		
<400> 13 ctgtcgattc gatacta	aacg			20
<210> 14 <211> 27 <212> DNA <213> Artificial 3	Sequence			
<220> <223> Description Oligonucleo		Sequence:		
<400> 14 ctctagatga tcagcg	geeg egateeg			27
<210> 15 <211> 20 <212> DNA <213> Artificial	Sequence			
<220> <223> Description Oligonucleo		Sequence:		
<400> 15 tgtcaaggag ggtatt	ctgg			20
<210> 16 <211> 22 <212> DNA <213> Artificial	Sequence			
<220> <223> Description Oligonucleo		Sequence:		
<400> 16 ggtgacccgg cgggga	cgag gc			22
<210> 17 <211> 23 <212> DNA <213> Artificial	Sequence			

<220> <223>	Description of Artificial Oligonucleotide primer	Sequence:	
<400> gatcc	<sup>.</sup> 17 gtttt cgcatttatc gtg		23
<210><211><211><212><213>	28		
<220> <223>	Description of Artificial Oligonucleotide primer	Sequence:	
<400> ggccg	18 , catcg ataagcttgg gctgcagg		28
<210><211><211><212><213>	20		
<220> <223>	Description of Artificial Oligonucleotide primer	Sequence:	
<400> acatt	19 gggtg gaaacattcc		20
<210><211><211><212><213>	18		
<220> <223>	Description of Artificial Oligonucleotide primer	Sequence:	
<400> ccaag	20 ttcgg gtgaaggc		18
<210><211><211><212><213>	22		
<220> <223>	Description of Artificial Oligonucleotide primer	Sequence:	

ccccgg	gega gtetagggee ge	22
<210><211><211><212><212><213>		
<400> caacato	22 ctag ctcagctcag tgagttccga	30
<210> <211> <212> <213>	23 30 DNA Saccharomyces cerevisiae	
<400> agtacta	23 acca ttgaattgaa tttacgttca	30
<210><211><211><212><213>		
<400> taaaaa	24 ttca ggcatggcat atacaattat ,	30
<210><211><211><212><213>	25 30 DNA Saccharomyces cerevisiae	
<400> taaacc	25 acca tetgttetgt egeceatett	30
<210><211><211><212><213>		
<400> ctgatt	26 acta gcgaagcgaa gctgcgggtg	30
<210><211><211><212><213>	30	
· <400>	27 agct cagtgcagtg gaataatttt	. 30

<210>	28	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	28	
gaactct	ttc cccaccccac cgatccattg	30
<210>	29	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
(210)	buccharomy odb octoviolad	
<400>	29	
	aaa ccgagccgag taagctgcta	30
aaagacg	add ocgagoogag caagoogoca	
<210>	30	
<211>	30	
<211>		
	DNA	
<213>	Saccharomyces cerevisiae	
<100>	20	
<400>	30	30
caatgca	tca tctactctac attacaaacc	50
.010.	24	
<210>	31	
<211>	30	
<213>	Saccharomyces cerevisiae	
<400>	31	20
tttgttc	cacg cgggccgggc cgcagttgtg	30
<210>	32	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
	•	
<400>	32	
atctgta	atta acttcacttc gaggtagtaa	30
	·	
<210>	33	
<211>	30	
<212>	DNA	
<213>		
<400>	33	
	egtt cctatcctat tcttgttctt	30
<210>	34	
-011-	20	

<212> <213>	DNA Saccharomyces cerevisiae	
<400>	34	
tatccad	cttc ttagattaga gggactatcg	30
	0.5	
<210> <211>	35 30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	35	20
aaactgt	tttt acagaacaga tttacgatcg	30
<b>2010</b> >	26	
<210> <211>	36 30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	36	30
tggagti	tagg ctggcctggc tcggactggc	30
<210>	37	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	37	
gagette	ctgc ttcacttcac gttttttgga	. 30
.0.7.0.		
<210> <211>	38 30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	38	
taacgc	taga ggggcggggc aagaaggaag	30
<210>	39	
<211> <212>	30 DNA	
<213>	Saccharomyces cerevisiae	
<400>	39	
	cgta gtggtgtggt tatataataa	30
<210>	40	
<211> <212>	30 DNA	
<213>		

gggggcaatg gtgaagtgaa atttcgacgc	30
<210> 41 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 41 taagagettg teegeteege ttegeceeaa \	30
<210> 42 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 42 cataagtgta agccaagcca tatgttccct	30
<210> 43 <211> 30 <212> DNA . <213> Saccharomyces cerevisiae	
<400> 43 tctggcttaa accagaccag cactatgtat	30
<210> 44 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 44 gttgaatctt ccgatccgat accatcgaca	30
<210> 45 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 45 ccctagcgcc tagggtaggg tcgagtactg	30
<210> 46 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 46 ttgctttaac taggatagga aagaataaga	30

<210>	47	
<211>	30	
	DNA	
<213>	Saccharomyces cerevisiae	
<400>	47	
agagact	gaa gacgagacga ggaaatcaaa	30
9 9		
<210>	48	
<211>	30	
	DNA	
<213>	Saccharomyces cerevisiae	
\213/	Saccitatomyces cerevisiae	
<400>	48	30
arggarg	gcg ctcaactcaa gcgtgttacc	30
<210>	49	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	49	
	tct gtggagtgga gaagactcga	30
cquacca	cot geggagegga gaagaoooga	
<210>	50	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
\Z13/	Saccharomyces cerevisiae	
<400>	50	
ttcacto	att ctggtctggt catttcttcg	30
<210>	51	
<211>	30	
<212>	DNA	
	Saccharomyces cerevisiae	
<400>	51	
ctagcgc	ttt acggaacgga agacaatgta	30
<210>	52	
<211>	30 .	
<211>		
	DNA	
<213>	Saccharomyces cerevisiae	
<400>	52	
	aggc ccgtgccgtg cggttccgtc	30
JJ		
<210>	53	
<211>	30	

<212> <213>	DNA Saccharomyces cerevisiae	
	53	2.0
gtggtg	ccct tccgttccgt caattccttt	30
<210>	54	
<211>	30	
<212> <213>	DNA Saccharomyces cerevisiae	
<400>	54	
ttcgct	gctc accaaaccaa tggaatcgca	30
<210>	55	
<211>	30	
<212> <213>	DNA Saccharomyces cerevisiae	
<400>	55	2.0
aatatta	etct tctgttctgt cattgttact	30
<210>	56	
<211>	30	
<212> <213>	DNA Saccharomyces cerevisiae	
<400>	56	
	accc accgaaccga tgtagcagta	30
<210>	57 .	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>		2.0
gttgato	ggta ccttgccttg acaccagcca	30
<210>	58	
<211> <212>	30 DNA	
<213>	Saccharomyces cerevisiae	
<400>	58	2.0
tacatto	tct tccgttccgt aaagcgctag	30
<210>	59	
<211> <212>	30 DNA	
<213>	Saccharomyces cerevisiae	

ccgtgg	aagc ctcgcctcgc ccgatgagtt	30
<210><211><211><212><213>	60 30 DNA Saccharomyces cerevisiae	
<400> tttctt	.60 ttcc tccgctccgc ttattgatat	30
<210> <211> <212> <213>	61 30 DNA Saccharomyces cerevisiae	
<400> gctgcg	61 totg accaaaccaa ggccctcact	30
<210><211><211><212><213>	62 30 DNA Saccharomyces cerevisiae	
<400> tactgt	62 tgaa ccgggccggg tcgtacaact	30
<210><211><211><212><213>	63 30 DNA Saccharomyces cerevisiae	
<400> caaatg	63 tatc agcagagcag atgtacttcc	30
<210><211><211><212><213>	64 30 DNA Saccharomyces cerevisiae	
<400> agtttc	64 cgct ataaaataaa taatggcagc	30
<210><211><211><212><213>	65 30 DNA Saccharomyces cerevisiae	
<400>	65 attg ctaggctagg ggcattactc	30

<210>	66 .	
<211>	30	
<212>	DNA	
<213>		
(213)	Saccharomyces cerevisiae	
<400>	66	
aaaaata	att actctactct aacatttctt	30
<010×	67	
<210>	67	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
< 4.0.0>	67	
<400>	67	
tgtttat	tatg atgacatgac gattttccca	30
		•
<210>	68	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	68	
	attt ttgatttgat tgaaaatgat	30
cegege	rece eegaeeegae egaaaaegae	•
<210>	69	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
\213/	Saccharomyces cerevisiae	
<400>	69	
tatgata	aatc aaggcaaggc ataattgact	30
•		
<210×	70	
<210>		·
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
	,	
<400>	70	
		30
Cagcat	taaa acggcacggc agcaaagccc	50
<210>	71	
<211>	30	
<212>	DNA	
<213>		
<b>\</b> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Saccharomyces cerevisiae	
		•
<400>	71	
ttgaca	tgtg atctgatcgt cacagatttt	30
-		
Z2105	72	
<210>	72	
<211>	30	

<212> <213>	DNA Saccharomyces cerevisiae	
<400>	72	
	tca gcagagcaga gaaaaaattt	30
ccagece		
<210>	72	
<210> <211>	73 30	
	DNA	
<213>	Saccharomyces cerevisiae	
	73	30
tgctage	gtgt gtctggtctg tttatgcatt	30
<210>	74	
<211>	30	
	DNA	
<213>	Saccharomyces cerevisiae	
<400>	74	
	aggt ttgaattgaa attgctggcc	30
<210>	75	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	75	
	gcat tgcattgcat aatgtggtat	30
aaccac	geat tyeattyeat altytygtat	
د010>	7.6	
<210> <211>	76 30	
<211>	DNA	
<213>	Saccharomyces cerevisiae	
12101		
<400>		
acgatct	tac gtcgggtcgg ctatctcacc	30
<210>	77	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	77	
	taa actggactgg agtgatttat	30
<210>	78	
<211>	30	
<212>	DNA	
/213\	Saccharomyces cerevisiae	

tgcatatttg cctgccctgc gaaaaaaagt	30
<210> 79 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 79 tcgttgaata atggaatgga aaatatgaaa	30
<210> 80 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 80 ctttcccaga accagaccag ggaaactgtt	30
<210> 81 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 81 cctctgcatc ccaacccaac accagcgata	30
<210> 82 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 82 atctgtaaac tcgcttcgct tgtgacgatg	30
<210> 83 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 83 tcctgcctaa acaggacagg aagacaaagc	30
<210> 84 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 84 tagaaaaaac cacaacacaa caacactatg	30

<210>	85	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
	-	
<400>	85	
	etcg tccggtccgg atgatgcgaa	30
000099	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
<210>	86	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	86	
tgtggct	tacc gcccggcccg tgattcgggc	30
<210>	87	
<211>	30	
<212>	DNA	
<213>		
(213)	Saccharomyces cerevisiae	
<400>	87	20
ggcata	gtgc gtgttgtgtt tatgcttaaa	30
	•	
<210>	88	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
	-	
<400>	88	
	caac gcgaggcgag agcgctaatt	30
*		
<210>	89	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	89	20
gaacag	ttcc acgccacgcc tgatatgagg	30
	•	
<210>	90	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	90	
	actg cccgacccga agaaggacgc	30
agegeg		
<210>	91	
<211>	30	

<212> <213>	DNA Saccharomyces cerevisiae	
<400>	91	2.0
aaaagg	ttca gtagagtaga aacataaaat	30
<210> <211>	92 30	
<212>		
<213>	Saccharomyces cerevisiae	
<400>	92	
ccacaa	ggac gccttgcctt attcgtatcc	30
<210>	93	
<211>	30	
<212>		
<213>	Saccharomyces cerevisiae	
<400>	93	20
Cagaact	ccat gctaggctag aacgcggtga	30
<210>	94	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	94	
cagctgo	ctac ccaggccagg gattgccacg	30
<210>	95	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	95	
ctagcc	gttc atcaaatcaa tcatgtcaaa	30
<210>	96	
<211>	30	
<212> <213>	DNA Saccharomycos corovisiae	
	Saccharomyces cerevisiae	
<400>	96	
caaaaaa	agtc tagagtagag gaaaaaacg	30
<210>	97	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	

ttgtcaa	aagt accgaaccga tcatgacaat	30
<210> <211> <212> <213>	98 30 DNA Saccharomyces cerevisiae	
<400> gtaaca	98 cett gggegggeg tttgeaacae	30
<210> <211> <212> <213>	99 30 DNA Saccharomyces cerevisiae	
<400> actgcc	99 tttg ctgagctgag ctggatcaat	30
<210><211><211><212><213>	100 30 DNA Saccharomyces cerevisiae	
<400> aatgta	100 aaag gcaaggcaag aaaacatgta	30
<210><211><211><212><213>	101 30 DNA Saccharomyces cerevisiae	
<400> gcctga	101 attg tagattagat attagataag	30
<210><211><211><212><213>	102 30 DNA Saccharomyces cerevisiae	
<400> gtttga	102 catt gtgaagtgaa gagacataga	30
<210><211><211><212><213>		
<400>	103 ctac atcatatcat cggtattatt	30

<210>	104	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
\Z13/	Saccharomyces cerevisiae	
<400>	104	
cttgttc	cta gtggcgtggc gctaatggga	30
_		
<210>	105	
	105	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	105	
		30
agggeed	etca gtgatgtgat ggtgttttgt	50
<210>	106	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	106	
aatattt	tca ttggtttggt tgtaaaatcg	30
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
.010.	107	
<210>	107	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	107	
		30
caatcta	aacc accataccat gttggctcac	30
<210>	108	
<211>	30	
<211>		
	DNA	
<213>	Saccharomyces cerevisiae	
<400>	108	
сдааааа	atgc accggaccgg ccgcgcatta	30
- 5	9	
4010:	100	
<210>	109	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<100×	109	
<400>		30
ttacgat	cetg etgagetgag attaageett	30
	·	
<210>	110	
10111	20	

<212> <213>	DNA Saccharomyces cerevisiae	
<400>	110	
aaatcga	agca atcacgtgat tgctcgattt	30
<210>	111	
<211>	30 .	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	111	
ccgacaa	aacc cccccccc catttatata	30
<210>	112	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae .	
<400>	112	
	gatg tggggtgggg attagtttcg	30
<210>	113	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	113	
	eget teetgteetg ggaactgeag	30
<210>	114	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	114	
	actc ctcccctccc ttgctgttgg	30
<210>	115	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	115	
	aatg geggegege categaeeet	30
<210>	116	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	

gagcaccacg atcgtatcgt tcggtgtact	30
<210> 117 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 117 aaaagcattc tgcagtgcag taattagccg	30
<210> 118 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 118 gtgattctcc atgggatggg tggtttcgct	30
<210> 119 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 119 gctggtccag accacaccac aaaaggatgc	30
<210> 120 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 120 acttcgactt cgggtcgggt aaaatactct	30
<210> 121 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 121 tgacattaat cctaccctac gtgacttaca	30
<210> 122 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 122 tttatatccq qtqqtqtqqt tqcqataaqq	30

<210> <211> <212>	123 30 DNA	
<213>	Saccharomyces cerevisiae	
	123 agog gtggtgtggg cottggactt	30
<210> <211> <212>	124 30 DNA	
<213>	Saccharomyces cerevisiae	
	124 ctac tacggtacgg ttaagggtgc	30
.04.0		
<210> <211>	125 30	
<212> <213>	DNA Saccharomyces cerevisiae	
<400>	125	
	ctet accgtaccgt cagggttgat	30
<210> <211>	126 30	
<211>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	126	20
aactag	caaa atggaatgga aacaaaaaaa	30
<210>	127	
<211>	30	
<212> <213>	DNA Saccharomyces cerevisiae	
	127	
	caac acgggacggg gaaactcacc	30
<210>	128	
<211> <212>	30 DNA	
<213>		
<400>	128	
cattgt	gacc ctggcctggc aaatttgcaa	30
<210>	129	
<211>		

<212> <213>	DNA Saccharomyces cerevisiae	
44005	_	
<400>	129 ctca ctgttctgtt cacgtcgcac	. 30
acacag	occa ocgetocget daugeogeac	
<010×	120	·
<210> <211>	130 30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	130	
tcagati	tttt cccagcccag tatggctttg	30
<210>	131	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	·
<400>	131	
tttaac	gtgg gcgaagcgaa gaagaaggaa	30
<210>	132	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	132	
	cata tetgttetgt taagtataca	30
	3 3 3	
<210×	. 122	
<210> <211>	133 30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	•
44005	122	
<400>	133 gege tetattetat aatgeagtet	30
cccgc	gege tecatectat aatgeageet	30
.0.0.0		
<210> <211>	134 30	
<211>	DNA .	
<213>	Saccharomyces cerevisiae	
<400>	134	
aattgg	taca gtatggtatg ctcaaaaata	30
		•
<210>	135	
<211>	30	
<212> <213>	DNA Saccharomyces cerevisiae	

	0> 135 tagcttc cacaacacaa gatgttggct	30
<21 <21 <21 <21	1> 30	
<40 tct	0> 136 tattoto otgttotgtt goottogtao	30
<21 <21 <21 <21	1> 30	
<40 cgg	0> 137 ttgtata tgcattgcat tgtacgtgcg	.30
<40 ttt	0> 138 taataag gcaatgcaat aatattaggt	30
<40 tat	0> 139 cacttac tcgaatcgaa cgttgacatt	30
<40 aaa	0> 140 gacatet acegtacegt gaaggtgeeg	30
<21 <21	0> 141 1> 30 2> DNA 3> Saccharomyces cerevisiae	
<40 cat	00> 141 cattactg cccgccccgc gtaatccaat	30

<210>	142	
<211>	30	
<212>	DNA '	
<213>	Saccharomyces cerevisiae	
\210/	Date nation yets televisiae	
< 4 O O >	142	
<400>		20
gtgtta	gtga atgecatgee teaaaetett	30
<210>	143	
<211>	30	
	DNA	
<213>	Saccharomyces cerevisiae	
<400>	143	
aaagag	aaaa ataagataag aaaatcttct	30
<210>	144	
<211>	30	
	DNA	
<213>	Saccharomyces cerevisiae	
<400>	144	
cctttt	tttc gtggggtggg aaccgcttta	30
	5 3335 333	
<210>	145	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	145	
	cttt gctgcgctgc ttttccttaa	30
400040		
10105		
<210>	146	
<211>	30 .	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
	•	
<400>	146	
	cctc ctcatctcat ttgaccgagġ	30
cacacc	core econocide econocidad	-
.040		
<210>	147	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
	•	
<400>	147	
	tcat gcagtgcagt aatactaata	30
yuttla	tout youyegouge authorated	
1010:	140	
<210>	148	
<211>	30	

<212> <213>	DNA Saccharomyces cerevisiae	
(213)		
<400>	148	
gaatttt	taag agatcgatca agtcttgtga	30
.010	140	,
<210>	149	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	140	
	tgct gtgcggtgcg ggacttctac	30
getegat	tyce gegeggegeg ggaeceetae	
<210>	150	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	150	
cttcac	ggta acgtaacgta actgaatgtg	30
<210>	151	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	151	20
caagga	gcag agggcagggc acaaaacacc	30
<210>	152	
<211>	30	
<211>	DNA	
<212>		
(213)	Saccharomyces cerevisiae	
<400>	152	
	aaca geegageega catacateee	30
<210>	153	
<211>	30	
<212>	DNA	
<213>	Saccharomyces cerevisiae	
<400>	153	2.2
gcgaga	tgag gtgaagtgaa aagaaactta	30
Z2105	15/	
<210>	154	
<211> <212>	30 DNA	
<212>	Saccharomyces cerevisiae	

taaatttcat ccggaccgga agaaaaatga	30
<210> 155 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 155 agaaaagtac aattcgatca aggttacggc	30
<210> 156 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 156 actgtctttt ccggtccggt cattccaaca	30
<pre> &lt;210&gt; 157 &lt;211&gt; 30 &lt;212&gt; DNA &lt;213&gt; Saccharomyces cerevisiae </pre>	
<400> 157 atacacgctc atcagatcag acaccacaaa	30
<210> 158 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 158 atagtatttc ctagtctagt gatctcggcg	30
<210> 159 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 159 ttcctattct ctagactaga aagtatagga	30
<210> 160 <211> 32 <212> DNA <213> Saccharomyces cerevisiae	
<213> Saccharomyces cerevisiae <400> 160 ttataaggtt gtttcgagtt tcatatgtgt tt	32

<210> <211> <212>	161 30 DNA	
<213>	Saccharomyces cerevisiae	
	161 agtg ccattccatt gtaccagact	30
	162 30 DNA	
<213>	Saccharomyces cerevisiae	
	162 ggcg ctcaactcaa gcgtgttacc	30
<210> <211> <212>	163 30 DNA	
<213>	Saccharomyces cerevisiae	
<400> tccaaa	163 tgta ttgtgttgtg agatgaaaat	30
<210> <211> <212>		
<213>		
<400> atgatt	164 attt cacggcacgg atttcattag	30
<210><211><211><212><213>	165 30 DNA Saccharomyces cerevisiae	
<400> atggaa	165 aact agcgcagcgc ataattttgt	30
<210><211><211><212><213>		
<400>' gagaat	166 cttg tcttgtcttg atgtaacaaa	30
<210>	167 33	

<pre>&lt;400&gt; 173 tcttagggtt attggattgg tagggttttg</pre>	30
<210> 174 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 174 agttaacttc cccggcccgg tgttcagtat	30
<210> 175 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	٠
<400> 175 atgtgtcatt gaggggaggg aaaatgtaat	30
<210> 176 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 176 ggttaacttg ctcgcctcgc catatatatc	30
<210> 177 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 177 caaaaaaaga tggagtggag tacagtacgc	30
<210> 178 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 178 gatatttacg cttatcttat caatctctgg	30
<210> 179 <211> 30 <212> DNA <213> Saccharomyces cerevisiae	
<400> 179 qccqtqqttt ccqqaccqqa qaaaqacqaa	. 30

<210><211><211><212><213>	180 30 DNA Saccharomyces cerevisiae	
<400> tttctg	180 gaat tagggtaggg tgacagaatg	30
<210> <211> <212>	181 30 DNA	
<213> <400> attact	Saccharomyces cerevisiae  181 ttat ttggcttggc taaagatcct	30
<210> <211> <212>	182 30 DNA	
<213> <400> cgttat	Saccharomyces cerevisiae  182 cata ttgatttgat attgcttatt	30
<210><211><211><212><213>	183 30 DNA Saccharomyces cerevisiae	
<400>	183 ctat ctcacctcac cagaggtctg	30
<210><211><211><212><213>	184 30 DNA Saccharomyces cerevisiae	
<400>	184 gtgc atgatatgat tatatatcaa	30
<210><211><211><212><213>	30 DNA	
<400>	185 tete ettggettgg gattagataa	30
<210> <211>	186 30	

<212> <213>	DNA Saccharomyces cerevisiae	
<400> tcccgc	186 actg gtgatgtgat acctacaccc	30
<210><211><211><212><212><213>		
· <400>	187 catt gccgggccgg aaaaagaaag	30
<210><211><211><212>	188 30 DNA	
<213>		
<400> ctcacg	188 ctct gcgatgcgat taacagctca	30
<210><211><211><212><213>		
<400> aggagg	189 aaga accagaccag gcacatgctg	30
<210><211><211><212><213>	190 30 DNA Saccharomyces cerevisiae	
<400> ttaaat	190 gaac ttcagttcag gaaaataatg	30
<210><211><211><212><213>	191 30 DNA Saccharomyces cerevisiae	
<400> ccaato	191 agtc accagaccag aactgaacaa	30